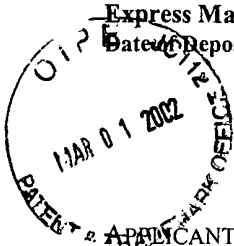


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Date of Deposit: March 1, 2002

Attorney Docket No.: 15966-748 CON (Cura-248 CON)



03-04-02 #3 0470 2/15/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Majumder et al.

SERIAL NUMBER: 10/044,643

EXAMINER: Not Yet Assigned

FILING DATE: January 11, 2002

ART UNIT: Not Yet Assigned

FOR: Novel Proteins and Nucleic Acids Encoding Same

Box IDS

Assistant Commissioner for Patents

Washington, D.C. 20231

TRANSMITTAL LETTER

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page), in duplicate;
2. Modified Form 1449/PTO (3 pages) in duplicate;
3. Copies of cited references B1-B7 and C80-81; and
3. Return Postcard

No fee is believed to be due at this time. However, the Commissioner is authorized to charge any fees that may be due to Deposit Account No. 50-0311, Reference No. 15966-748 CON (Cura-248 CON). A duplicate copy of this transmittal letter is enclosed.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at 617/542-6000, Boston, Massachusetts.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Ivor R. Elrifi".

Ivor R. Elrifi, Reg. No. 39,529

Attorney for Applicant

c/o MINTZ, LEVIN, COHN, FERRIS
GLOVSKY AND POPEO, P.C.

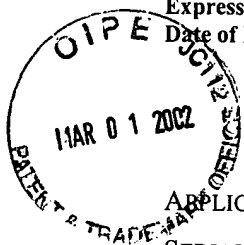
One Financial Center

Boston, Massachusetts 02111

Tel: (617) 542-6000

Fax: (617) 542-2241

Dated: March 1, 2002



Express Mail Label No.: EV058075149US
Date of Deposit: March 1, 2002

Attorney Docket No.: 15966-748 CON (Cura-248 CON)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Majumder et al.
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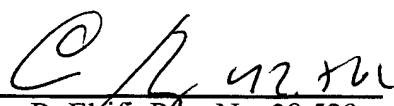
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INFORMATION DISCLOSURE STATEMENT

Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, in the above-identified case. Accordingly, no fee or certification is believed required. A copy of each of the references is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 Reference No. 15966-748 CON (Cura-248 CON).

Respectfully submitted,


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Modified Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	10/044,643
Filing Date	01/11/02
First Named Inventor	Majumder
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	15966-748 CON (Cura-248 CON)

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1*	5,436,155	07/25/95	Bell et al.			12/31/91

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes	No
	B1	EP 0 867 508	Smithkline Beecham Corporation	09/30/98		
	B2	WO 96/30406	Human Genome Sciences, Inc.	10/03/96		
	B3	WO 01/36471	Arena Pharmaceuticals, Inc.	05/25/01		
	B4	WO 01/36473	Pharmacia & Upjohn Company	05/25/01		
	B5	WO 01/73029	PE Corporation	10/04/01		
	B6	WO 01/77320	Bayer Aktiengesellschaft	10/18/01		
	B7	WO 01/87937	Incyte Genomics, Inc.	11/22/01		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1*	Asai, H., H. Kasai, et al. (1996). "Genomic structure and transcription of a murine odorant receptor gene: differential initiation of transcription in the olfactory and testicular cells." Biochem Biophys Res Commun 221(2): 240-247.
	C2*	GenBank Accession Number: I13406 (July 26, 1995)
	C3*	Ben-Arie, N., D. Lancet, et al. (1994). "Olfactory receptor gene cluster on human chromosome 17: possible duplication of an ancestral receptor repertoire." Hum Mol Genet 3(2): 229-35.
	C4*	GenBank Accession Number: Q9WVN4 (November 1, 1999)
	C5*	GenBank Accession Number: Q9WVN5 (November 1, 1999)
	C6*	GenBank Accession Number: Q9WVN6 (November 1, 1999)
	C7*	GenBank Accession Number: AF071080 (December 20, 2000)
	C8*	Buck, L. and R. Axel (1991). "A novel multigene family may encode odorant receptors: a molecular basis for odor recognition." Cell 65(1): 175-87.
	C9*	GenBank Accession Number: NP_038647 (December 28, 2000)
	C10*	GenBank Accession Number: Q9Y5P1 (August 20, 2001)
	C11*	GenBank Accession Number: Q9Y5P0 (August 20, 2001)
	C12*	GenBank Accession Number: Q9WVD7 (November 1, 1999)
	C13*	GenBank Accession Number: Q9WVD8 (November 1, 1999)
	C14*	GenBank Accession Number: AF133300 (December 20, 2000)
	C15*	GenBank Accession Number: AF137396 (December 20, 2000)
	C16*	GenBank Accession Number: Q9WVD9 (November 1 1999)
	C17*	GenBank Accession Number: NP_038648 (December 28, 2000)

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Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C18*	GenBank Accession Number: NP_038649 (December 28, 2000)
	C19*	GenBank Accession Number: AAG41676 (December 20, 2000)
	C20*	GenBank Accession Number: AAG41684 (December 20, 2000)
	C21*	GenBank Accession Number: AAG41688 (December 20, 2000)
	C22*	GenBank Accession Number: AAG41679 (December 20, 2000)
	C23*	GenBank Accession Number: AAG41683 (December 20, 2000)
	C24*	GenBank Accession Number: AAG41678 (December 20, 2000)
	C25*	GenBank Accession Number: AAG42368 (December 26, 2000)
	C26*	GenBank Accession Number: AF289204 (December 26, 2000)
	C27*	GenBank Accession Number: AAG41685 (December 20, 2000)
	C28*	GenBank Accession Number: CAC21550 (January 11, 2001)
	C29*	GenBank Accession Number: AJ301623 (January 11, 2001)
	C30*	GenBank Accession Number: AAD51279 (October 28, 1999)
	C31*	GenBank Accession Number: Q9UKL2 (August 20, 2001)
	C32*	GenBank Accession Number: P49652 (July 15, 1998)
	C33*	GenBank Accession Number: AAA18784 (June 6, 1994)
	C34*	GenBank Accession Number: Q9WV26 (August 20, 2001)
	C35*	GenBank Accession Number: AI557139 (March 23, 1999)
	C36*	Issel-Tarver, L. and J. Rine (1996). "Organization and expression of canine olfactory receptor genes." Proc Natl Acad Sci U S A 93(20): 10897-902.
	C37*	GenBank Accession Number: P29089 (November 1, 1997)
	C38*	GenBank Accession Number: CAB89291 (May 1, 2000)
	C39*	Krautwurst, D., K. W. Yau, et al. (1998). "Identification of ligands for olfactory receptors by functional expression of a receptor library." Cell 95(7): 917-26.
	C40*	GenBank Accession Number: AAG40776 (December 17, 2000)
	C41*	GenBank Accession Number: AF311306 (December 17, 2000)
	C42*	Malnic, B., J. Hirono, et al. (1999). "Combinatorial receptor codes for odors." Cell 96(5): 713-23.
	C43*	GenBank Accession Number: AF121979 (April 25, 1999)
	C44*	GenBank Accession Number: Q9WU93 (November 1, 1999)
	C45*	GenBank Accession Number: NP_064688 (November 1, 2000)
	C46*	GenBank Accession Number: AAD27596 (December 7, 1999)
	C47*	GenBank Accession Number: NP_064686 (November 1, 2000)
	C48*	GenBank Accession Number: Q9WU90 (November 1, 1999)
	C49*	GenBank Accession Number: Q9WU89 (November 1, 1999)
	C50*	GenBank Accession Number: Q9WU93 (November 1, 1999)
	C51*	GenBank Accession Number: AF121976 (December 7, 1999)
	C52*	GenBank Accession Number: Q9WU94 (November 1, 1999)
	C53*	GenBank Accession Number: XP_003874 (July 16, 2001)
	C54*	GenBank Accession Number: U09842 (June 6, 1994)
	C55*	GenBank Accession Number: D10923 (February 3, 1999)
	C56*	GenBank Accession Number: P49019 (August 20, 2001)
	C57*	GenBank Accession Number: I69202 (May 19, 2000)
	C58*	Online Mendelian Inheritance in Man (OMIM): 164342 (Downloaded 9/28/01)
	C59*	GenBank Accession Number: AF079864 (February 5, 1999)
	C60*	GenBank Accession Number: O88628 (November 1, 1998)

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C61*	GenBank Accession Number: AAD12761 (February 5, 1999)
	C62*	GenBank Accession Number: Q9YH55 (May 1, 1999)
	C63*	GenBank Accession Number: AAD03349 (January 7, 1999)
	C64*	GenBank Accession Number: L17432 (January 7, 1999)
	C65*	Parmentier, M., F. Libert, et al. (1992). "Expression of members of the putative olfactory receptor gene family in mammalian germ cells." <i>Nature</i> 355(6359): 453-5.
	C66*	Rouquier, S., C. Friedman, et al. (1998). "A gene recently inactivated in human defines a new olfactory receptor family in mammals." <i>Hum Mol Genet</i> 7(9): 1337-45.
	C67*	GenBank Accession Number: JH0621 (August 17, 1992)
	C68*	GenBank Accession Number: AAB22269 (May 8, 1993)
	C69*	GenBank Accession Number: CAC17790 (December 3, 2000)
	C70*	GenBank Accession Number: AAF26668 (January 20, 2000)
	C71*	GenBank Accession Number: AF140708 (January 20, 2000)
	C72*	GenBank Accession Number: AR009514 (December 4, 1998)
	C73*	Thomas, M. B., S. L. Haines, et al. (1996). "Chemoreceptors expressed in taste, olfactory and male reproductive tissues." <i>Gene</i> 178(1-2): 1-5.
	C74*	Vanderhaeghen, P., S. Schurmans, et al. (1997). "Specific repertoire of olfactory receptor genes in the male germ cells of several mammalian species." <i>Genomics</i> 39(3): 239-46..
	C75*	Walensky, L. D., M. Ruat, et al. (1998). "Two novel odorant receptor families expressed in spermatids undergo 5'- splicing." <i>J Biol Chem</i> 273(16): 9378-87.
	C76*	GenBank Accession Number: AC020597 (July 7, 2000)
	C77*	GenBank Accession Number: P34996 (December 15, 1998)
	C78*	Xie, S. Y., P. Feinstein, et al. (2000). "Characterization of a cluster comprising approximately 100 odorant receptor genes in mouse." <i>Mamm Genome</i> 11(12): 1070-8.
	C79*	GenBank Accession Number: O00270 (August 20, 2001)
	C80	Rouquier et al. (1998). <i>Nature Genetics</i> 18: 243-250.
	C81	Invitation to Pay Additional Fees with the Partial International Search Report for PCT/US01/10241 mailed February 5, 2002.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. **09/823,172**, filed **March 29, 2001**, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
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